

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): **Amgen K. Yoshinaga**

Serial No.: **09/728,421**

Group Art Unit No.: **1644**

Filed: **November 28, 2000**

Examiner: **Roark, Jessica H.**

For: **Polypeptides Involved in Immune Response**

Docket No.: **A-579D**

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

As a means of complying with the duty of disclosure, applicants submit a "List of References Cited by Applicant" on a modified PTO-1449 form.

In accordance with 37 CFR 1.98(d), copies of the patents, publications or other information listed in this information disclosure statement are not required to be provided and are not enclosed because they were previously cited by or submitted to the Office in prior international application Serial No. PCT/US00/01871 (USSN 09/890,729), filed January 27, 2000. The present application is a continuation of this prior application which is relied upon for an earlier filing date under 35 USC 120.

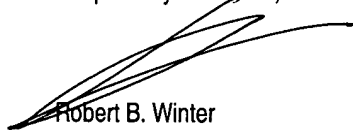
Applicants' position regarding this information and its relevancy remains unchanged.

The information disclosure statement submitted herewith is being filed within three months of the filing date of the enclosed Request for Continued Examination (RCE) or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under section 1.114, whichever event occurs last. 37 CFR 1.97(b).

Applicants request consideration of this information and passage of the application to issue.

The Commissioner is hereby authorized to charge any filing fees which may be required or credit any overpayment to Deposit Account No. 01-0519 in the name of Amgen Inc.

Respectfully submitted,

  
Robert B. Winter  
Attorney/Agent for Applicant(s)  
Registration No.: **34,458**  
Phone: **(805) 447-2425**  
Date: **January 26, 2004**

Please send all future correspondence to:

US Patent Operations/RBW  
Dept. 4300, M/S 27-4-A  
AMGEN INC.  
One Amgen Center Drive  
Thousand Oaks, California 91320-1799

**EXPRESS MAIL CERTIFICATE**

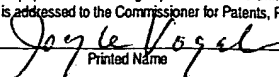
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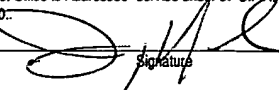
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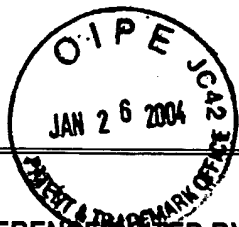
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Modified Form PTO-1449

**LIST OF REFERENCES CITED BY APPLICANT**

(Use several sheets if necessary)

Atty.  
Docket No.

A-579D

Serial No.

09/728.421

Applicant

Steven K. Yoshinaga

Filing  
Date

November 28, 2000

Group

1644

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AA	3,773,919	11/20/73	Boswell et al			
	AB	4,816,567	3/28/89	Cabilly et al.			
	AC	4,892,538	1/9/90	Aebischer et al.			
	AD	4,970,154	11/13/90	Chang			
	AE	5,011,472	4/30/91	Aebischer et al.			
	AF	5,106,627	4/21/92	Aebischer et al.			
	AG	5,593,875	1/14/97	Wurm et al.			
	AH	5,653,975	8/5/97	Baetge et al.			
	AI	5,676,954	10/14/97	Brigham			

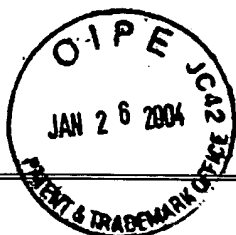
**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	BA	EP 0 036 676	9/19/90	EPO			X	
	BB	EP 0 058,481	10/1/86	EPO			X	
	BC	EP 0 088 046	12/9/87	EPO				X
	BD	EP 0 133 988	3/13/85	EPO				X
	BE	EP 0 143 949	10/12/88	EPO			X	
	BF	EP 0 154 316	9/13/89	EPO			X	
	BG	EP 0 401 384	3/13/96	EPO			X	
	BH	WO 91/10425	7/25/91	WIPO			X	
	BI	WO95/11308	4/27/95	WIPO			X	
	BJ	WO 96/40958	12/19/96	WIPO			X	
	BK	WO 98/38216	9/03/98	WIPO			X	
	BL	WO 99/15553	4/01/99	WIPO			X	
	BM	EP 1 125 585	8/22/01	EPO			X	

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Modified Form PTO-1449  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  (Use several sheets if necessary)	Atty. Docket No.	Serial No.
	A-579D	09/728.421
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	Steven K. Yoshinaga	
	Filing Date	Group
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EXAMINER'S  
INITIALS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

CA	Altschul et al., "Basic Local Alignment Search Tool", J. Mol. Biol. <u>215</u> , 403-410 (1990)
CB	Aruffo and Seed, "Molecular cloning of a CD28 cDNA by a high-efficiency COS cell expression system", Proc. Natl. Acad. Sci. <u>84</u> , 8573-8577 (1987)
CC	Ausubel et al., Current Protocols in Molecular Biology, Green Pub. and Wiley and Sons, NY (1994) TABLE OF CONTENTS
CD	Brunet et al., "A new member of the immunoglobulin superfamily--CTLA-4", Nature <u>328</u> , 267-270 (1987)
CE	Carillo et al., "The Multiple Sequence Alignment Problem in Biology", SIAM J. Applied Math. <u>48</u> , 1073 (1988)
CF	Dariavach et al., "Human Ig superfamily CTLA-4 gene: chromosomal localization and identity of protein sequence between murine and human CTLA-4 cytoplasmic domains", Eur. Jour. Immun. <u>18</u> , 1901-1905 (1988)
CG	Dayhoff et al., "A Model of Evolutionary Change in Proteins", Atlas of Protein Sequence and Structure, vol. 5, supp. 3 (1978)
CH	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX", Nucleic Acids Research <u>12</u> (1), 387 (1984)
CI	Engels et al., "Gene Synthesis", Angew. Chem. Intl. Ed. <u>28</u> , 716-734 (1989)
CJ	Eppstein et al., "Biological activity of liposome-encapsulated murine interferon $\gamma$ is mediated by a cell membrane receptor", Proc. Natl. Acad. Sci. USA, <u>82</u> , 3688-3692 (1985)
CK	Francis, "Protein modification and fusion proteins", Focus on Growth Factors <u>3</u> , 4-10 (1992)
CL	Freeman et al., "B7, a New Member of the Ig Superfamily with Unique Expression on Activated and Neoplastic B Cells", J. Immunology <u>143</u> , 2714-2722 (1989)
CM	Freeman et al., "Structure, Expression, and T Cell Costimulatory Activity of the Murine Homologue of the Human B Lymphocyte Jour. Expt. Med. <u>174</u> , 625-31 (1991)
CN	Freeman et al., "Murine B7-2, an Alternative CTLA4 Counter-receptor that Costimulates T Cell Proliferation and Interleukin 2 Production", Jour. Expt. Med. <u>178</u> , 2185-2192 (1993)
CO	Freeman et al., "Cloning of B7-2: A CTLA-4 Counter-Receptor That Costimulates Human T Cell Proliferation", Science <u>262</u> , 909-911 (1993)
CP	Gennaro, Remington's Pharmaceutical Sciences, 18th Edition, ed., Mack Publishing Company (1990) TABLE OF CONTENTS
CQ	Gribskov et al., Sequence Analysis Primer, eds., M. Stockton Press, New York, 1991 TABLE OF CONTENTS
CR	Griffin et al., Computer Analysis of Sequence Data, Part 1, eds., Humana Press, New Jersey, 1994 TABLE OF CONTENTS
CS	Gross et al., "The Murine Homologue of the T Lymphocyte Antigen CD28", J. Immun. <u>144</u> , 3201-3210 (1990)
CT	Henikoff, "Amino acid substitution matrices from protein blocks", PNAS, USA <u>89</u> , 10915-10919 (1992)
CU	Hoogenboom et al., "By-passing Immunisation", J. Mol. Biol. <u>227</u> , 381 (1991)
CV	Houghten et al., "General method for the rapid solid-phase synthesis of large numbers of peptides: Specificity of antigen-antibody interaction at the level of individual amino acids", Proc Natl Acad. Sci. USA <u>82</u> , 5132 (1985)
CW	Hutloff et al., "ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28", Nature <u>397</u> , 263-266 (1999)
CX	Jakobovits et al., "Germ-line transmission and expression of a human-derived yeast artificial chromosome", Nature <u>362</u> , 255-258 (1993)
CY	Jakobovits et al., "Analysis of homozygous mutant chimeric mice: Deletion of the immunoglobulin heavy-chain joining region blocks B-cell development and antibody production", Proc. Natl. Acad. Sci. <u>90</u> , 2551-2555 (1993)

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

CZ	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse", <i>Nature</i> <u>321</u> , 522-525 (1986)
DA	Kitts et al., "A Method for Producing Recombinant Baculovirus Expression Vectors at High Frequency", <i>Biotechniques</i> <u>14</u> , 810-817 (1993)
DB	Langer et al., "Biocompatibility of polymeric delivery systems for macromolecules", <i>J. Biomed. Mater. Res.</i> <u>15</u> , 167-277 (1981)
DC	Langer, "Controlled release of macromolecules", <i>Chem. Tech.</i> <u>12</u> , 98-105 (1982)
DD	Lesk, <i>Computational Molecular Biology</i> , ed., Oxnard University Press, New York (1998) TABLE OF CONTENTS
DE	Lucklow, "Baculovirus systems for the expression of human gene products", <i>Curr. Opin. Biotechnol.</i> <u>4</u> , 564-572 (1993)
DF	Lucklow et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ", <i>J. Virol.</i> <u>67</u> , 4566-4579 (1993)
DG	Marks et al., "By-passing Immunization Human Antibodies from V-gene Libraries Displayed on Phage", <i>J. Mol. Biol.</i> <u>222</u> , 581 (1991)
DH	Marston et al., "Solubilization of Protein Aggregates", <i>Meth. Enz.</i> <u>182</u> , 264-275 (1990)
DI	McDonald et al., "Isolation of RNA Using Guanidinium Salts", <i>Meth. Enzymol.</i> <u>152</u> , 219 (19987)
DJ	Merrifield, "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", <i>J. Am. Chem. Soc.</i> <u>85</u> , 2149 (1963)
DK	Morrison et al., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", <i>Proc. Natl. Acad. Sci.</i> <u>81</u> , 6851-6855 (1985)
DL	Neddlemen et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", <i>J. Mol. Biol.</i> <u>48</u> , 443-453 (1970)
DM	Ogden et al., "Electrophoresis in Agarose and Acrylamide Gels", <i>Meth. Enzymol.</i> <u>152</u> , 61 (1987)
DN	Riechmann et al., "Reshaping human antibodies for therapy", <i>Nature</i> <u>332</u> , 323-327 (1988)
DO	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> , Cold Springs Harbor Laboratory Press, Cold Springs Harbor, NY (1989) TABLE OF CONTENTS
DP	Sidman et al., "controlled Release of Macromolecules and Pharmaceuticals from Synthetic Polypeptides Based on Glutamic Acid", <i>Biopolymers</i> <u>22</u> , 547-556 (1983)
DQ	Smith, et al., <i>Biocomputing: Informatics and Genome Projects</i> , Academic Press, New York, 1993 TABLE OF CONTENTS
DR	Steward and Young, <i>Solid Phase Peptide Synthesis</i> , Pierce Chemical Co., Rockford, IL (1984) TABLE OF CONTENTS
DS	Verhoeven et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity", <i>Science</i> <u>239</u> , 1534-1536 (1988)
DT	von Heinje, <i>Sequence Analysis in Molecular Biology</i> , Academic Press, (1987) TABLE OF CONTENTS

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